IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A relay device, comprising:

connection detection means for detecting that a client terminal ~~which can transmit/receive information through a network~~ is in a communicable state with [[the]] a network, when the client terminal connects to another information transmission device through the network and uses a service provided through the connection.

2. (Currently Amended) The relay device according to claim 1,

wherein the connection detection means acquires transmission-related information required to transmit information to the client terminal, and

the relay device further ~~comprising~~ includes notification transmission means for transmitting results from the connection detection means and the acquired transmission-related information to an information transmission means ~~device~~ for transmitting undelivered information to the client terminal.

3. (Currently Amended) The relay device according to claim 1, further comprising:

information transmission means for transmitting the undelivered information to the client terminal, provided that the connection detection means detects that the client terminal is in [[a]] the communicable state with the network.

4. (Currently Amended) The relay device according to claim 3,

wherein the information transmission means selects the undelivered information to be transmitted to the client terminal from information stored in transmission information storage means, provided that the connection detection means detects that the client terminal is in [[a]]

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the communicable state with the network, and transmits the selected undelivered information to the client terminal.

5. (Original) The relay device according to claim 4,

wherein the information transmission means transmits the selected undelivered information to the client terminal together with other information transmitted to the client terminal.

6. (Original) The relay device according to claim 5,

wherein the other information transmitted to the client terminal is information transmitted/received by use of HTTP; and

the information transmission means adds the selected undelivered information by changing the HTTP header of the other information transmitted to the client terminal, and transmits the selected undelivered information to the client terminal.

7. (Original) The relay device according to claim 4,

wherein the information transmission means transmits the selected undelivered information to the client terminal separately from other information transmitted to the client terminal.

8. (Currently Amended) An information transmission device, comprising:

notification reception means for receiving a notification concerning detection of a client terminal that which can transmit/receive information through a network is in a communicable state with [[the]] a network, when the client terminal connects to another

information transmission device through the network and uses a service provided through the connection; and

information transmission means for transmitting undelivered information to the client terminal, provided that the notification reception means receives the notification.

9. (Currently Amended) The information transmission device according to claim 8,

wherein the information transmission means selects the undelivered information to be transmitted to the client terminal from information stored in transmission information storage means, provided that the connection detection means detects that the client terminal is in [[a]] the communicable state with the network, and transmits the selected undelivered information to the client terminal.

10. (Original) The information transmission device according to claim 8,

wherein the notification reception means receives transmission-related information required to transmit information to the client terminal; and

the information transmission means transmits the undelivered information to the client terminal, provided that the notification reception means receives the transmission-related information.

11. (Currently Amended) An information transmission method, comprising:

a connection detection step of detecting, by use of connection detection means, that a client terminal which can transmit/receive information through a network is in a communicable state with [[the]] a network, when the client terminal connects to another information transmission device through the network and uses a service provided through the connection; and

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~~an information transmission step of~~ transmitting, by use of information transmission means, undelivered information to the client terminal, provided that the connection detection means detects <u>that</u> the client terminal is in [[a]] <u>the</u> communicable state with the network.

12. (Currently Amended) The information transmission method according to claim 11,

wherein <u>the step of transmitting comprises,</u> ~~in the information transmission step,~~ <u>selecting, by use of</u> the information transmission means, ~~selects~~ undelivered information to be transmitted to the client terminal from information stored in transmission information storage means, provided that the connection detection means detects <u>that</u> the client terminal is in [[a]] <u>the</u> communicable state with the network, and transmits the selected undelivered information to the client terminal.

13. (Currently Amended) The information transmission method according to claim 12,

wherein the step of transmitting comprises, ~~in the information transmission step,~~ <u>transmitting, by use of</u> the information transmission means, ~~transmits~~ the selected undelivered information to the client terminal together with other information transmitted to the client terminal.

14. (Currently Amended) The information transmission method according to claim 13,

wherein[[,]] <u>the step of transmitting comprises transmitting</u> the other information transmitted to the client terminal [[is]] <u>being</u> information transmitted/received by use of HTTP, and

~~in the information transmission step~~ <u>the step of transmitting comprises transmitting,</u>

<u>by use of</u> the information transmission means that adds the selected undelivered information

by changing the HTTP header of the other information transmitted to the client terminal, and

transmits the selected undelivered information to the client terminal.

15. (Currently Amended) The information transmission method according to claim

12,

wherein[[,]] ~~in the information transmission step~~ <u>the step of transmitting comprises</u>

<u>transmitting, by use of</u> the information transmission means <u>that</u> transmits the selected

undelivered information to the client terminal separately from [[the]] other information

transmitted to the client terminal.

16. (Currently Amended) The information transmission method according to

claim 11, further comprising:

~~an information acquiring step of~~ acquiring, by use of the connection detection means,

transmission-related information required to transmit information to the client terminal; and

~~an information output step of~~ outputting, by use of the connection detection means,

the acquired transmission-related information to the information transmission means.

17. (New) A relay device, comprising:

a connection detection unit configured to detect that a client terminal is in a

communicable state with a network, when the client terminal connects to another information

transmission device through the network and uses a service provided through the connection.

18. (New) An information transmission device, comprising:

a notification reception unit configured to receive a notification concerning detection

of a client terminal that is in a communicable state with a network, when the client terminal

connects to another information transmission device through the network and uses a service

provided through the connection; and

an information transmission unit configured to transmit undelivered information to the

client terminal, provided that the notification reception unit receives the notification.

19. (New) The relay device according to claim 1, further comprising:

undelivered information storage means for storing undelivered information that a

mail server had previously attempted, and failed, to transmit to the client terminal; and

information transmission means for selecting the undelivered information from the

undelivered information storage means and transmitting the undelivered information to the

client terminal, when the connection detection means detects that the client terminal is

connected and in the communicable state with the network.

20. (New) The information transmission device according to claim 8, further

comprising:

undelivered information storage means for storing the undelivered information,

wherein the information transmission means selects the undelivered information from

the undelivered information storage means and transmits the selected undelivered information

to the client terminal.

21. (New) The information transmission method according to claim 11, further

comprising:

storing the undelivered information in undelivered information storage means; and

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selecting the undelivered information from the undelivered information storage

means,

wherein the step of transmitting comprises transmitting, by use of the information

transmission means, the selected undelivered information to the client terminal.

22. (New) The relay device according to claim 17, further comprising:

an undelivered information storage unit configured to store undelivered information

that a mail server had previously attempted, and failed, to transmit to the client terminal; and

an information transmission unit configured to select the undelivered information

from the undelivered information storage unit and to transmit the undelivered information to

the client terminal, when the connection detection unit detects that the client terminal is

connected and in the communicable state with the network.

23. (New) The information transmission device according to claim 18, further

comprising:

an undelivered information storage unit configured to store the undelivered

information,

wherein the information transmission unit is configured to select the undelivered

information from the undelivered information storage unit and to transmit the selected

undelivered information to the client terminal.